

HIV Infection in Medical Patients

HIV Prevalence in Individuals Reported with Tuberculosis

In 1998 and 1999 the HIV status of 72 percent of New York City's TB cases was known. HIV co-infection was higher in males and in those 25-64 years of age. In New York State exclusive of New York City, the HIV status of approximately 44 percent of TB cases was known. As in New York City, in those with known HIV status, HIV infection was higher in males and those 25-64 years of age.

Community Health Clinics

The AIDS Institute supports HIV/AIDS prevention and primary care services in 42 community-based ambulatory care centers throughout the state. These programs offer outpatient HIV services including counseling, testing, primary care, case management, partner notification, transportation and mental health and substance abuse counseling. During 1999,

25,307 people received HIV testing in these community-based settings, an increase from the previous year's figure of 23,880. Overall HIV positivity was 2.0% in 1998 and 1.7% in 1999.

A smaller subset of providers submit detailed client data that include demographic and risk behavior variables. Of those tested by these providers in 1998, 44.2 percent were male and 55.7 percent were female (see Figure 6-3). Positivity was 3.45 percent among men tested and 1.88 percent among women tested. The highest positivity rate for adults was found in the 40-49 age group, at 5.25 percent, followed by 3.86 percent positivity for those age 30-39. Of those tested who were under age 20, 0.6 percent were positive.

Of those tested by these providers in 1999, 42.5 percent were male and 57.4 percent were female (see Figure 6-3). Positivity was 3.40 percent among men

tested and 1.61 percent among women tested. The highest positivity rate for adults was found in the 40-49 age group at 5.05 percent, followed by 3.48 percent positivity for those aged 50+ and 3.18 percent positivity for those aged 30-39. Of those tested who were under age 20, 0.25 percent were positive.

In 1998, the positivity rate for African American/Blacks was 3.49 percent, 3.06 percent for Latinos/Hispanics and 1.32 percent for Whites. Positivity was highest among injecting drug users (IDU) (12.42%), men who have sex with men (7.37%) and sex partners of IDU (4.87%).

In 1999, the positivity rate for African American/Blacks was 3.26 percent, 2.88 percent for Latinos/Hispanics and 1.02 percent for Whites. Positivity was highest among injecting drug users (IDU) (9.69%), sex partners of IDU (8.47%), and men who have sex with men (6.41%).

Figure 6-1

HIV Status of Tuberculosis Cases by Sex and Region

New York State, 1998 and 1999

Figure 6-1a 1998

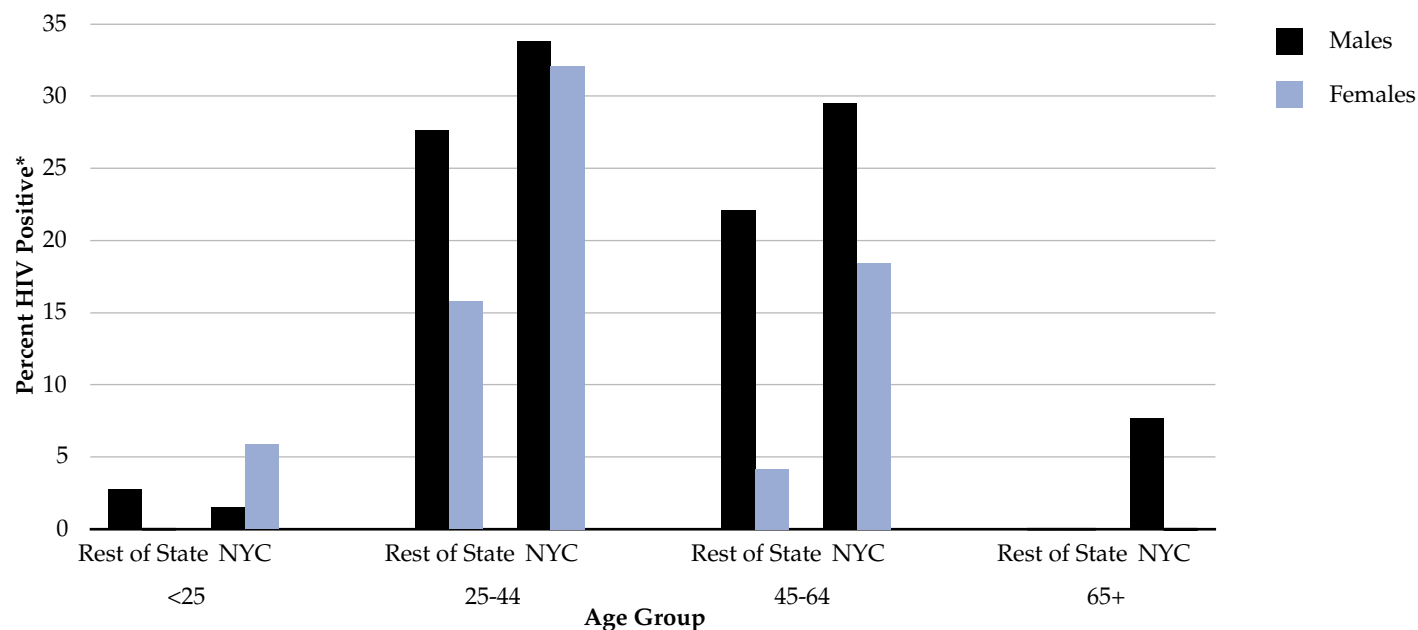
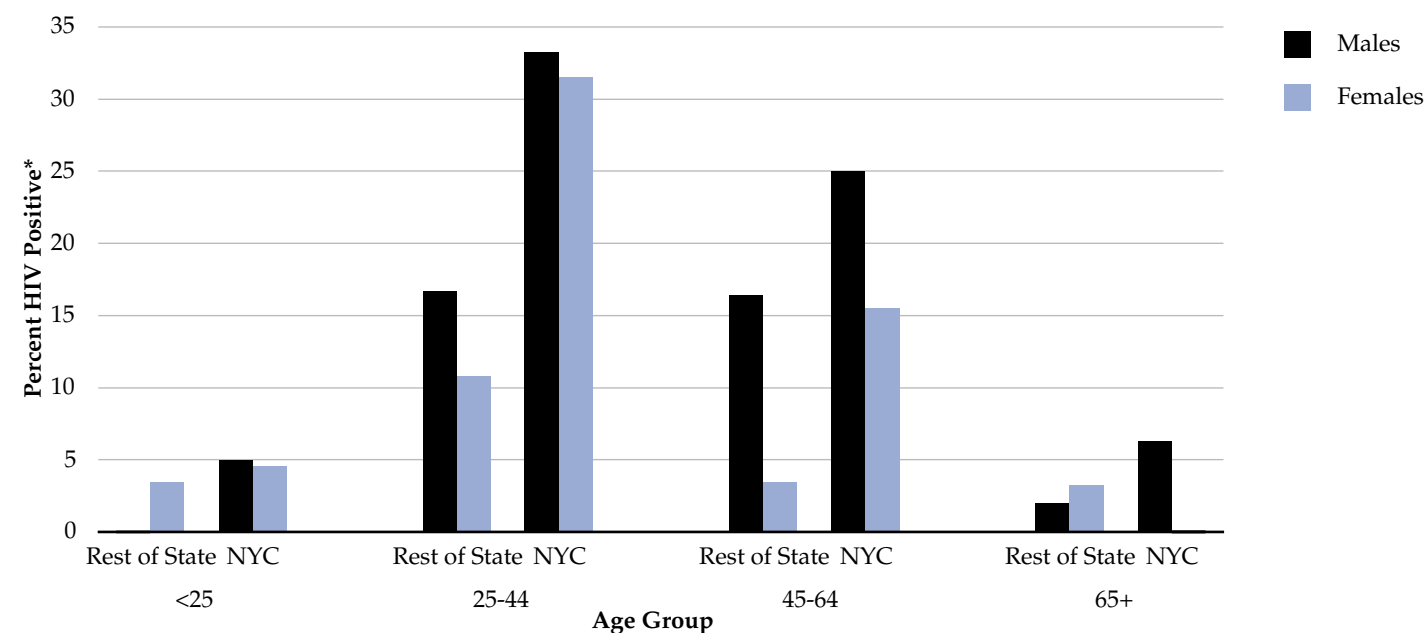


Figure 6-1b 1999



* Percent HIV positive represents a minimum estimate as some cases have unknown test results.

The percent of known HIV status in New York City = in 1998, 72.3% of 1,558 and in 1999, 72.7% of 1,460 TB cases.

The percent of known HIV status in New York State (excluding New York City) = in 1998, 41.6% of 442 and in 1999, 46.9% of 377 TB cases.

Figure 6-2

HIV Prevalence in Medical Practice Specimens Tested by the New York State Laboratory

New York State, 1989 - 1999

Number	1989-1998			1999		
	Number Tested ¹	Number Positive	Percent Positive	Number Tested ¹	Number Positive	Percent Positive
Specimen Category ²						
Physician Offices	278,418	7,453	2.68	12,034	137	1.14
Hospitals	123,973	10,377	8.37	3,636	121	3.33
STD Clinics	215,689	3,041	1.41	21,567	102	0.47
Family Planning	356,129	3,812	1.07	51,488	329	0.64
PCAP Clinic	38,628	397	1.03	2,059	3	0.15
Drug Treatment	53,722	4,447	8.28	4,106	97	2.36
TB Clinic	8,527	197	2.31	846	7	0.83
Prisons	142,520	28,305	19.86	5,784	139	2.40
Other	217,527	5,840	2.68	2,101	67	3.19
Sex						
Male	648,944	39,385	6.07	35,320	603	1.71
Female	822,456	14,706	1.79	67,366	376	0.56
Age						
13-19	200,882	559	0.28	24,307	22	0.09
20-29	581,527	11,978	2.06	42,047	173	0.41
30-39	379,095	22,338	5.89	21,075	425	2.02
40-49	155,250	9,861	6.35	9,182	254	2.77
50+	73,629	2,388	3.24	3,200	75	2.34
Race/Ethnicity						
White	782,141	12,722	1.63	43,298	107	0.25
Black	354,093	20,966	5.92	26,388	491	1.86
Hispanic	218,377	13,479	6.17	17,033	264	1.55
Asian	16,644	89	0.53	1,277	1	0.08
Native American	NA	NA	NA	363	1	0.28
Other	55,201	1,310	2.37	14,327	115	0.80
Ryan White Region						
Northeast & Mid-Hudson ^a	241,542	6,497	2.69	25,617	337	1.32
Western ^b	179,620	5,268	2.93	17,046	214	1.26
Lower Hudson & Nassau/Suffolk ^c	216,178	7,484	3.46	22,802	397	1.74
New York City ^d	209,062	12,740	6.09	30,258	2,224	7.35
Rochester ^e	174,542	3,089	1.77	16,930	132	0.78
Central & NY-Penn ^f	188,897	3,283	1.74	22,242	244	1.10

¹Includes specimens for patients/clients age 13 and above.

² Total number of specimens in each category varies due to missing data.

^a Albany, Clinton, Columbia, Delaware, Essex, Franklin, Fulton, Greene, Hamilton, Montgomery, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington, Dutchess, Orange, Sullivan, Ulster

^b Allegany, Cattaraugus, Chautauqua, Erie, Genesee, Niagara, Orleans, Wyoming

^c Putnam, Rockland, Westchester, Nassau, Suffolk

^d Bronx, Kings, New York, Queens, Rockland

^e Chemung, Livingston, Monroe, Ontario, Schuyler, Seneca, Steuben, Wayne, Yates

^f Cayuga, Cortland, Herkimer, Jefferson, Lewis, Madison, Oneida, Onondaga, Oswego, St. Lawrence, Tompkins, Broome, Chenango, Tioga

Figure 6-3

Community Health Clinics HIV Positivity by Client Sex, Age, Race/Ethnicity and Exposure Category of Those Tested

New York State, 1996 - 1997

	1996*				1997*			
	Number Counseled	Number Tested**	Number Positive	Percent Positive	Number Counseled	Number Tested**	Number Positive	Percent Positive
Gender								
Male	9,240	8,919	466	5.22	7,612	7,107	304	4.28
Female	14,460	13,245	277	2.09	10,696	9,596	180	1.88
Unknown	20	20	0	0.00	28	24	0	0.00
Age								
<20	4,144	3,862	20	0.52	2,912	2,600	8	0.31
20-29	8,941	8,244	148	1.80	6,437	5,839	90	1.54
30-39	6,678	6,303	343	5.44	5,301	4,878	213	4.37
40-49	2,861	2,723	184	6.76	2,597	2,405	146	6.07
50+	1,081	1,038	47	4.53	1,047	969	27	2.79
Unknown	15	14	1	7.14	42	36	0	0.00
Race								
White	8,073	7,684	117	1.52	5,947	5,491	77	1.40
Black	7,838	7,190	389	5.41	5,834	5,232	221	4.22
Hispanic	6,937	6,488	227	3.50	5,888	5,400	176	3.26
Asian /Pacific Islander	346	334	1	0.30	250	226	1	0.44
Native American	55	54	1	1.85	45	39	2	5.13
Other/Unknown	471	434	8	1.84	372	339	7	2.06
Exposure Category								
Injecting Drug Use	1,135	1,084	175	16.14	915	851	123	14.45
Men Who Have Sex With Men	914	876	130	14.84	816	758	96	12.66
Sex Partner of IDU	712	686	61	8.89	484	459	29	6.32
Heterosexual Sex	19,461	18,121	342	1.89	14,974	13,614	215	1.58
Other	240	237	9	3.80	380	350	8	2.29
Risk Exposure Unknown	1,258	1,180	26	2.20	767	695	13	1.87
Total Tested	23,720	22,184	743	3.35	18,336	16,727	484	2.89

* Data updated since previously published.

** Includes only valid, complete tests; does not include tests where no result was found or where the result was inconclusive.

Figure 6-3

Community Health Clinics HIV Positivity by Client Sex, Age, Race/Ethnicity and Exposure Category of Those Tested

New York State, 1998 - 1999

	1998				1999			
	Number Counseled	Number Tested**	Number Positive	Percent Positive	Number Counseled	Number Tested**	Number Positive	Percent Positive
Gender								
Male	7,670	7,239	250	3.45	7,127	6,702	228	3.40
Female	9,919	9,117	171	1.88	9,892	9,045	146	1.61
Unknown	13	11	2	18.18	14	13	1	7.69
Age								
<20	2,395	2,155	13	0.60	2,257	2,013	5	0.25
20-29	6,351	5,866	66	1.13	6,073	5,589	60	1.07
30-39	4,952	4,664	180	3.86	4,712	4,396	140	3.18
40-49	2,687	2,531	133	5.25	2,723	2,574	130	5.05
50+	1,197	1,133	31	2.74	1,227	1,151	40	3.48
Unknown	20	18	0	0.00	41	37	0	0.00
Race								
White	5,869	5,511	73	1.32	5,300	4,924	50	1.02
Black	5,893	5,440	190	3.49	6,061	5,548	181	3.26
Hispanic	5,176	4,810	147	3.06	4,883	4,588	132	2.88
Asian / Pacific Islander	240	222	3	1.35	246	214	2	0.93
Native American	47	46	0	0.00	35	33	1	3.03
Other/Unknown	377	338	10	2.96	508	453	9	1.99
Exposure Category								
Injecting Drug Use	825	797	99	12.42	807	764	74	9.69
Men Who Have Sex With Men	793	760	56	7.37	705	671	43	6.41
Sex Partner of IDU	399	390	19	4.87	367	354	30	8.47
Heterosexual Sex	14,694	13,611	211	1.55	14,500	13,370	197	1.47
Other	447	432	35	8.10	319	304	30	9.87
Risk Exposure Unknown	444	377	3	0.80	335	297	1	0.34
Total Tested	17,602	16,367	423	2.58	17,033	15,760	375	2.38

* Data updated since previously published.

** Includes only valid, complete tests; does not include tests where no result was found or where the result was inconclusive."

Figure 6-3

Community Health Clinics HIV Positivity by Client Sex, Age, Race/Ethnicity and Exposure Category New York State, 1996 - 1999

Figure 6-3a

Gender

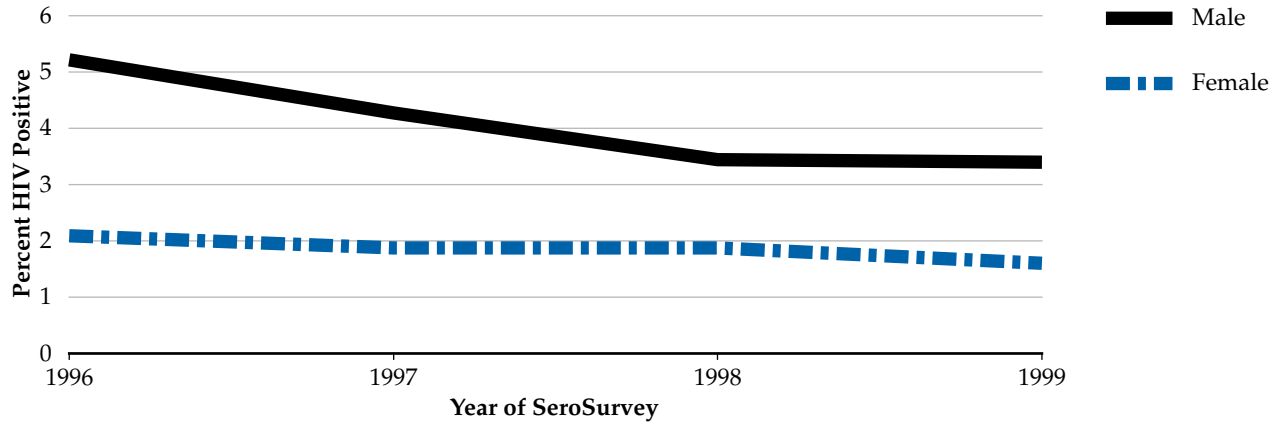


Figure 6-3b

Age

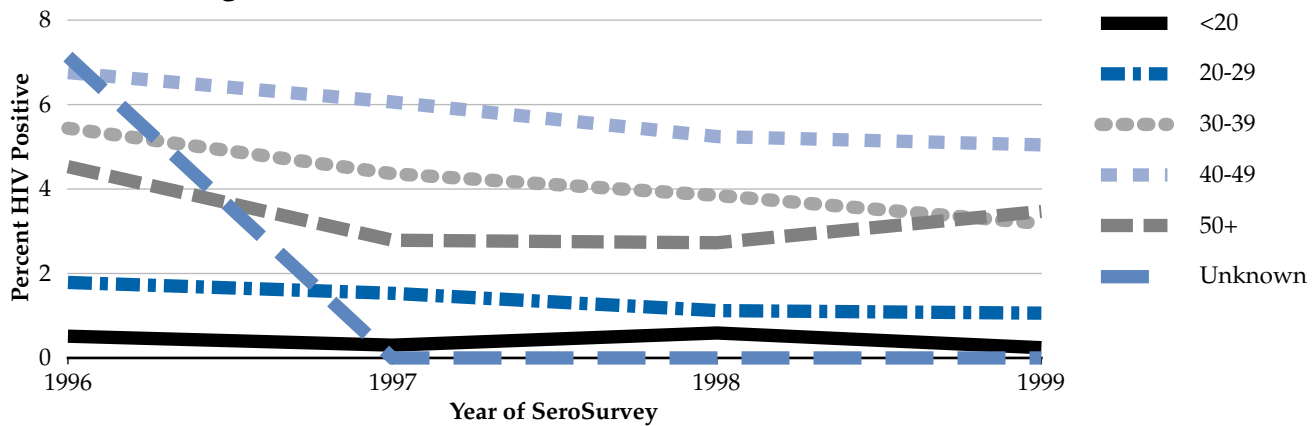


Figure 6-3

Community Health Clinics HIV Positivity by Client Sex, Age, Race/Ethnicity and Exposure Category ,
New York State, 1996 - 1999, continued

